

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

R. H. LEASBURG  
VICE PRESIDENT  
NUCLEAR OPERATIONS

May 7, 1982

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. Robert A. Clark, Chief  
Operating Reactors Branch No. 3  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Serial No.: 279  
FR/GLD: plc  
Docket No.: 50-339  
License No.: NPF-7

Gentlemen:

REVISED CORE SURVEILLANCE REPORT  
FOR NORTH ANNA 2, CYCLE 2

As discussed with members of the Staff on April 30, 1982, the purpose of this letter is to transmit to you a Core Surveillance Report (CSR) containing revised power distribution limits applicable for Cycle 2 operation. As required by North Anna Unit No. 2 Technical Specification 6.9.1.10, my March 8, 1982 letter (Serial No. 131) provided you with the CSR containing the specific Cycle 2 values for Fxy and the axial power distribution surveillance limit, Pm. These limits were developed for use with a LOCA FQ limit of 2.10. In an April 13, 1982 NRC letter (Serial No. 246), Amendment Nos. 39 and 20 approved the use of a LOCA FQ limit of 2.14 for North Anna Units No. 1 and 2. Consequently, Attachment 1 provides a revised CSR containing specific Cycle 2 values of Fxy and Pm appropriate for use with a LOCA FQ limit of 2.14. We have revised the Fxy limit to a value of 1.60 for all unrodded core planes to take credit for the increased margin provided by the 2.14 FQ limit.

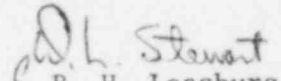
As discussed with the Staff we are requesting approval of the revised CSR prior to the North Anna 2 startup. While operation in accordance with the currently approved CSR limits will result in no operational constraints, approval of the revised CSR prior to startup would eliminate a change of limits during the cycle.

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If you would like additional information, please contact this office.

Very truly yours,

  
R. H. Leasburg

Attachment

(1) Core Surveillance Report for North Anna 2, Cycle 2 (Revision 1)

cc: Mr. James P. O'Reilly  
Regional Administrator  
Region II

ATTACHMENT 1

Core Surveillance Report

North Anna 2, Cycle 2

(Revision 1)

TABLE 1  
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NORTH ANNA UNIT 2, CYCLE 2 CORE SURVEILLANCE LIMITS, FQ = 2.14  
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- I. The F-XY limits for RATED THERMAL POWER within specific core planes shall be:
1.  $F_{xy}-RTP \leq 1.71$  for all core planes containing bank "D" control rods, and
  2.  $F_{xy}-RTP \leq 1.60$  for all unrodded core planes.
- II. The axial power distribution surveillance threshold power level shall be:
1.  $P_m = 100\%$  of RATED THERMAL POWER.

NORTH ANNA UNIT 2, CYCLE 2  
MAXIMUM ( $F_Q^T \cdot P_{Rel}$ ) vs. AXIAL CORE HEIGHT  
DURING NORMAL CORE OPERATION

